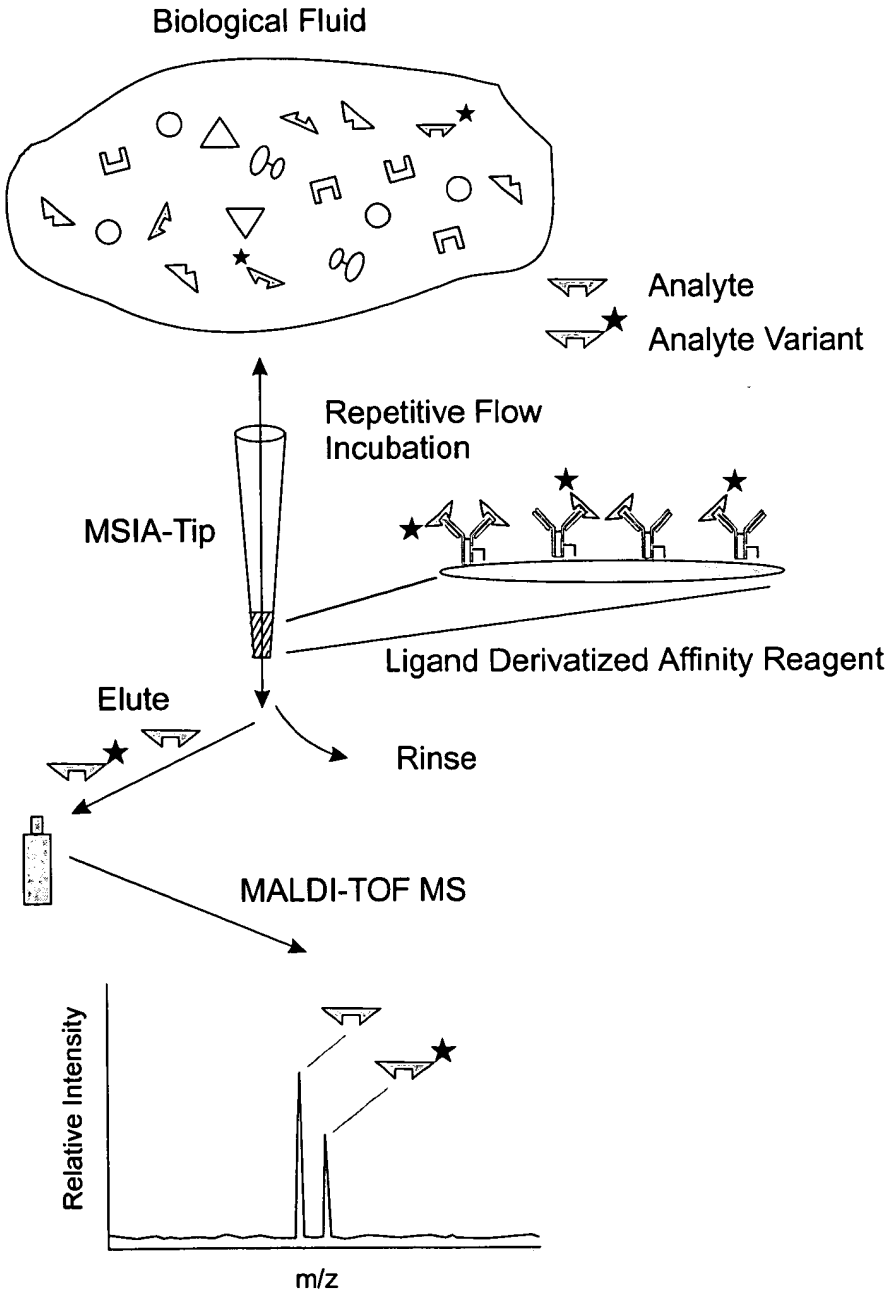
Biological Fluid
Analyte
Analyte Variant
Repetitive Flow
Incubation
MSIA-Tip
Ligand Derivatized Affinity Reagent
Elute
Rinse
MALDI-TOF MS
Relative Intensity
m/z

Figure 1

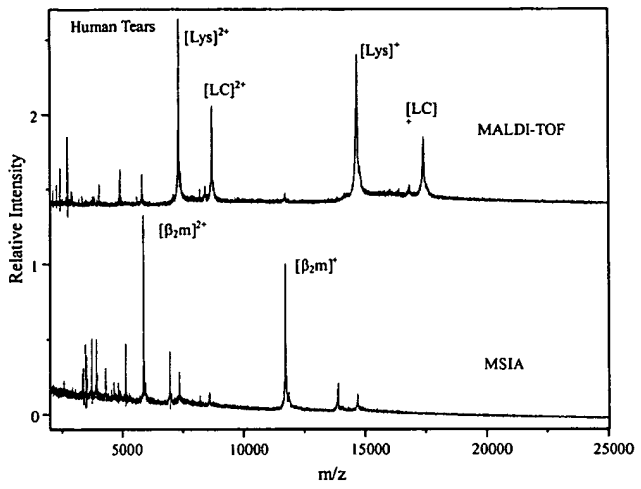

Figure 2A

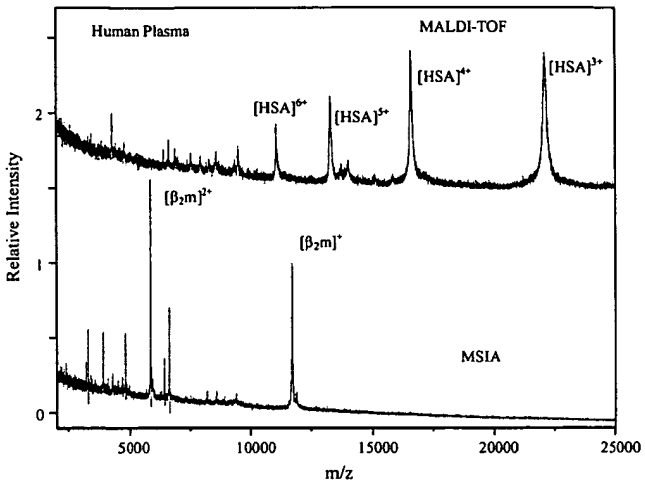

Figure 2B

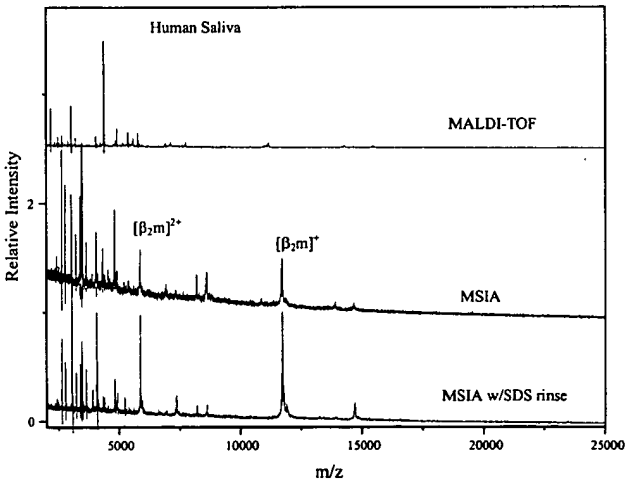

Figure 2C

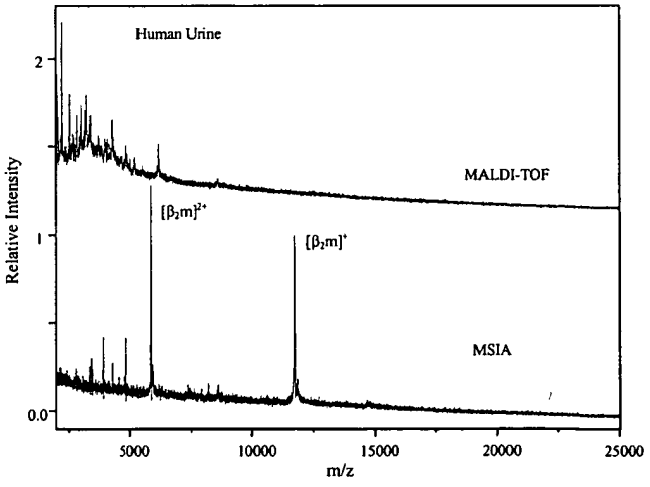

Figure 2D

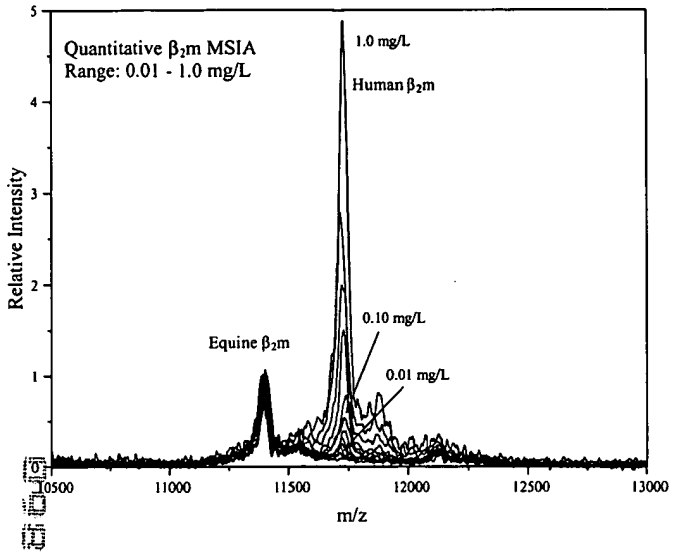

Figure 3A

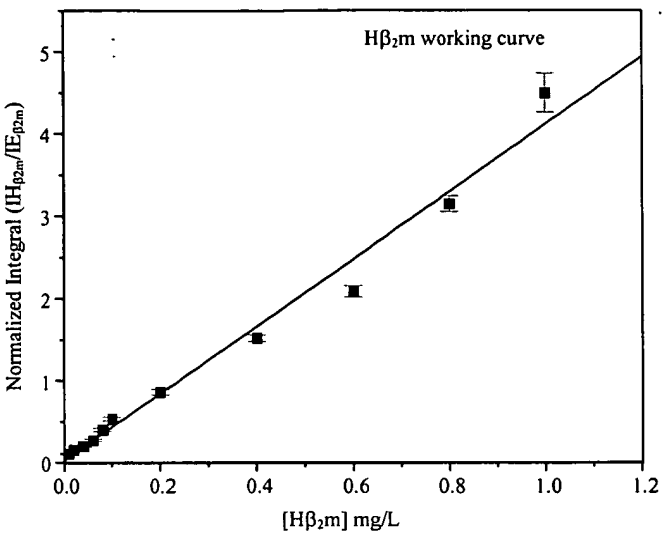

Figure 3B

Tonsor Ent 5860

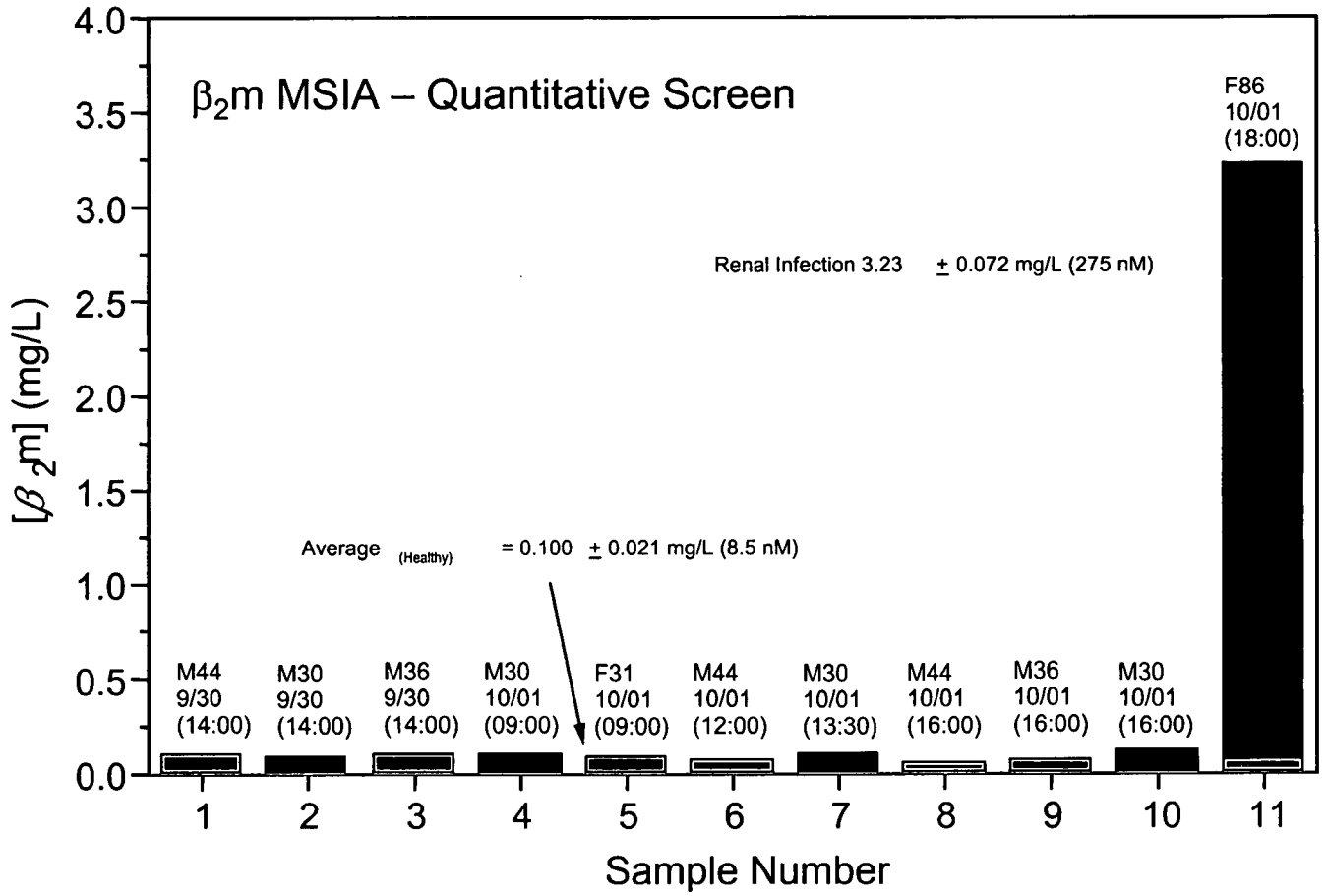

Figure 4

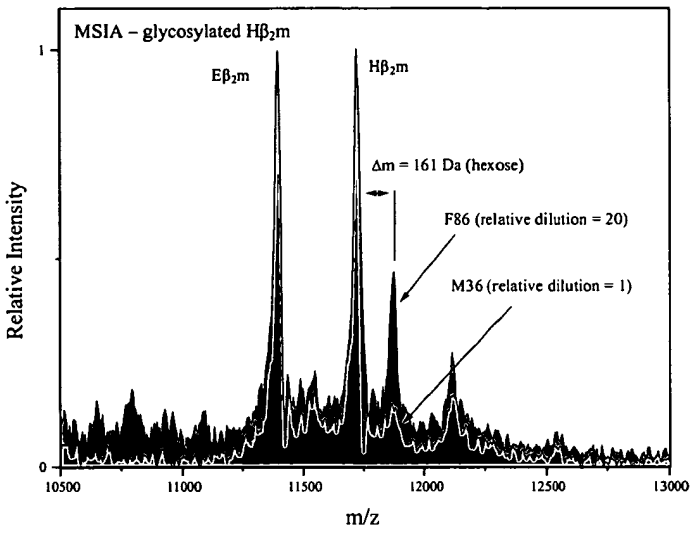
MSIA – glycosylated Hβ2m
Eβ2m
Hβ2m
Δm = 161 Da (hexose)
F86 (relative dilution = 20)
M36 (relative dilution = 1)
Relative Intensity
1
0
10500
11000
11500
12000
12500
13000
m/z

Figure 5